

GCCS/DII COE System Integration Support

DII COE Segment System Version Description (for TCL Version 1.0.0.4/7.4 for HP-UX 10.20)

June 4, 1997

Prepared for:

DISA/JEJA
ATTN: Claire Burchell
45335 Vintage Park Plaza
Sterling, VA 20166-6701

Contract Number: DCA100-94-D-0014
Delivery Order Number: 330, Task 6
CDRL Number: A005

Prepared by:

DII.30.FNL.HP-UX10.20.TCL.SVD

Defense Information Infrastructure (DII)

Common Operating Environment (COE)

**Segment System Version Description
for Tool Command Language (TCL)
Version 1.0.0.4/7.4 (HP-UX 10.20)**

June 4, 1997

Prepared for:

**DISA/JEJA
ATTN: Claire Burchell
45335 Vintage Park Plaza
Sterling, VA 20166-6701**

Prepared by:

Table of Contents

Preface	ii
1. System Version Description (SVD) for TCL	1
1.1 Scope	1
1.1.1 Identification	1
1.2 System Overview	1
1.3 Product Information	1
2. Referenced Documents	2
3. Version Description	2
3.1 Inventory of Materials Released	2
3.2 Inventory of Software Contents	2
3.3 Changes Installed	2
3.4 Waivers	3
3.5 Adaptation Data	3
3.6 Installation Instructions	3
3.7 Possible Problems and Known Errors	3
4. Notes	3
A. Appendix	4

Preface

The following conventions are used in this document:

Bold	Used for information that is typed, pressed, or selected in executables and instructions. For example, select connect to host .
<i>Italics</i>	Used for file names, directories, scripts, commands, user IDs, document names, and Bibliography references; and any unusual computerese the first time it is used in text.
<u>Underline</u>	Used for emphasis.
Arrows <>	Used to identify keys on the keyboard. For example <Return>.
“Quotation Marks”	Used to identify informal, computer-generated queries and reports, or coined names; and to clarify a term when it appears for the first time. For example “Data-Generation Report.”
Courier Font	Used to denote anything as it appears on the screen or command lines. For example <code>tar xvf dev/rmt/3mm</code> .
Capitalization	Used to identify keys, screen icons, screen buttons, field, and menu names.

1. System Version Description (SVD) for TCL

This document provides a System Version Description for the Tool Command Language (TCL) segment for the Defense Information Infrastructure (DII) on HP-based machines.

1.1 Scope

1.1.1 Identification

This section contains identification information for the TCL segment:

Segment Name:	TCL
Segment Type:	Software
Prefix:	TCL
Home Directory:	<i>/h/COE/Comp/TCL</i>
Distribution Type:	This software requires no licenses
Version Number:	1.0.0.4/7.4
Platform:	HP (UNIX) Workstation/HP-UX 10.20.

1.2 System Overview

This section contains system overview information for the TCL segment:

Purpose:	TCL is a reusable, extensible, and embeddable general-purpose scripting language which has been built and provided to developers as a C library package. TK is a graphical user interface toolkit based on TCL.
Usage:	Together, TCL and TK form a powerful programming environment for the development of the X-Window system, Motif-like user interfaces.
References:	Reference documentation: <i>Practical Programming in TCL & TK</i> by Brent Welch, Prentic-Hall (Publishers), ISBN: 0136168302. <i>Graphical Applications with TCL & TK</i> (with CD) by Eric Johnson, Henry Holt and Company, Inc. (Publishers), ISBN: 1558514716. On-line references can be located by accessing the following web page:

Product Restrictions: The software contained in the TCL segment is considered “freeware” and therefore, does not require a usage license.

Product Dependencies: None.

2. Referenced Documents

The following documents are referenced in this SVD:

- C *Practical Programming in TCL & TK* by Brent Welch, Prentic-Hall (Publishers).
- C *Graphical Applications with TCL & TK* (with CD) by Eric Johnson, Henry Holt and Company, Inc. (Publishers).
- C *DII COE Segment Installation Procedures (IP) - Tool Command Language (TCL)* delivered with V1.0.0.3/7.4 of this segment.

3. Version Description

3.1 Inventory of Materials Released

Magnetic media: Two 4mm tapes each consisting of a tar of the TCL segment, V1.0.0.4/7.4 (HP-UX 10.20) for DII.

Floppy Diskette: One 3.5 inch floppy diskette containing an electronic copy of the SVD and Delivery Letter for this segment.

Documentation: Hard copy of the SVD and Delivery Letter for this segment.

3.2 Inventory of Software Contents

This segment contains the TCL and TK software distribution (i.e., “TCL”), V7.4 and its associated library and executable support files. This product is freeware and, therefore, does not require a usage license. See Appendix A for a detailed list of files that make up this segment.

- C Created the following links to tcl, tk, tclX, and tkX library files:

TCL/lib/libtcl.so
TCL/lib/libtclx.so
TCL/lib/libtk.so
TCL/lib/libtkx.so

NOTE: The user will no longer need to create these links manually.

- C Corrected problem involving the creation of symbolic links.
- C Updated the *FileAttribs* file; added entries for *TCL/lib* and other TCL sub-directories.
- C Moved the *libtkx.so.400.0* file from the *TCL/lib/tclX* sub-directory to the *TCL/lib/tkX* sub-directory.

3.4 Waivers

All waivers for V1.0.0.3/7.4 of the TCL segment apply to this release of the segment.

3.5 Adaptation Data

No site-specific data is contained in this release of the TCL segment.

3.6 Installation Instructions

Reference the *DII COE Segment Installation Procedures (IP) - Tool Command Language (TCL)* delivered with V1.0.0.3/7.4 of this segment.

3.7 Possible Problems and Known Errors

None.

4. Notes

A. Appendix

Software Listing for the TCL segment, V1.0.0.4/7.4 (HP-UX 10.20):

```
TCL/ :  
IntegNotes  
Scripts  
SegDescrip  
bin  
data  
install_utilities  
lib  
man
```

```
TCL/IntegNotes:  
IntgNotes.html
```

```
TCL/Scripts:
```

```
TCL/SegDescrip:  
DEINSTALL  
FileAttribs  
FileAttribs.orig  
Installed  
PostInstall  
README  
ReleaseNotes  
SegInfo  
SegName  
VERSION  
Validated  
install_routines
```

```
TCL/SegDescrip/install_routines:  
DEINSTALL.TCL  
PostInstall.TCL
```

```
TCL/bin:  
TCL_tcl  
TCL_tcl++
```

PostInstall_Xcaller.ksh
PostInstall_Xcaller.ksh.bak
PostInstall_fnxns.ksh
PostInstall_msg.ksh
remove_delete_me

TCL/lib:
libtcl.so
libtclx.so
libtk.so
libtkx.so
tcl
tclX
tk
tkX

TCL/lib/tcl:
init.tcl
libtcl.a
libtcl.so.74.0
parray.tcl
tclIndex

TCL/lib/tclX:
TclInit.tcl
bin
builddidx.tcl
help
include
lib
libtclx.so.740.0
loadouster.tcl
tcl.tlib
tcl.tndx

TCL/lib/tclX/bin:
tcl

TCL/lib/tclX/help:
Tcl.brf
TclX.brf

keyedlists
libraries
lists
math
processes
servers
signals
status
strings
tclshell
time
variables

TCL/lib/tclX/help/tcl/control:

break
case
catch
commandloop
continue
error
eval
exit
for
foreach
if
loop
proc
rename
return
source
switch
uplevel
while

TCL/lib/tclX/help/tcl/debug:

cmdtrace
edprocs
profile
profrep
saveprocs

eof
fcntl
file
flock
flush
for_file
for_recursive_glob
frename
fstat
ftruncate
funlock
gets
glob
lgets
link
mkdir
open
pipe
puts
read
read_file
readdir
recursive_glob
rmdir
seek
select
sync
tell
unlink
write_file

TCL/lib/tclX/help/tcl/filescan:
scancontext
scanfile
scanmatch

TCL/lib/tclX/help/tcl/internation:
catclose
catgets
catopen

TCL/lib/tclX/help/tcl/libraries:

auto_commands
auto_load
auto_load_file
auto_packages
buildpackageindex
convert_lib
library
loadlibindex
packagelib
searchpath
unknown

TCL/lib/tclX/help/tcl/lists:

concat
intersect
intersect3
join
lappend
lassign
lempty
lindex
linsert
list
llength
lmatch
lrange
lreplace
lrmdups
lsearch
lsort
lvarcat
lvarpop
lvarpush
split
union

TCL/lib/tclX/help/tcl/math:

expr
fmathcmds
incr

pid
system
wait

TCL/lib/tclX/help/tcl/server:
server_accept
server_cntl
server_connect
server_create
server_info
server_send

TCL/lib/tclX/help/tcl/signals:
signal

TCL/lib/tclX/help/tcl/status:
cd
dirs
history
id
info
infox
popd
pushd
pwd
showproc
umask

TCL/lib/tclX/help/tcl/strings:
append
ccollate
cequal
cindex
clength
crange
csubstr
ctoken
ctype
format
regexp
regsub

TCL/lib/tclX/help/tcl/time:

alarm
convertclock
fmtclock
getclock
sleep
time
times

TCL/lib/tclX/help/tcl/variables:

array
for_array_keys
global
set
stdvars
trace
unset
upvar

TCL/lib/tclX/include:

tcl++.h
tcl.h
tclExtend.h

TCL/lib/tclX/lib:

libtcl.a
libtclx.a
tclxlibs.mk

TCL/lib/tk:

button.tcl
dialog.tcl
entry.tcl
focus.tcl
libtk.a
libtk.so.40.0
listbox.tcl
menu.tcl
obsolete.tcl
optionMenu.tcl
palette.tcl

demos
help
include
lib
libtkx.so.400.0
prolog.ps
tk.tcl
tk.tlib
tk.tndx

TCL/lib/tkX/bin:
tclhelp.orig
wishx.orig

TCL/lib/tkX/demos:
README
arrow.tcl
bind.tcl
bitmap.tcl
browse
browse.orig
button.tcl
check.tcl
colors.tcl
cscroll.tcl
ctext.tcl
dialog1.tcl
dialog2.tcl
entry1.tcl
entry2.tcl
floor.tcl
form.tcl
hello
hello.orig
hscale.tcl
icon.tcl
image1.tcl
image2.tcl
images
images.tcl
items.tcl

rolodex
rolodex.orig
ruler.tcl
sayings.tcl
search.tcl
square
square.orig
states.tcl
style.tcl
tclIndex
tcolor
tcolor.orig
text.tcl
timer
timer.orig
twind.tcl
vscale.tcl
widget
widget.orig

TCL/lib/tkX/demos/images:

earth.gif
earthris.gif
face
flagdown
flapup
grey.25
grey.5
letters
mickey.gif
noletters
pattern
teapot.ppm

TCL/lib/tkX/help:

Tk.brf
tk

TCL/lib/tkX/help/tk:

control
images

fileevent
focus
grab
lower
option
pack
place
raise
selection
send
tk
tk_focusNext
tkerror
tkvars
tkwait
update
winfo
wm

TCL/lib/tkX/help/tk/images:

bitmap
image
photo

TCL/lib/tkX/help/tk/widgets:

button
canvas
checkbutton
entry
frame
label
listbox
menu
menubutton
message
option
radiobutton
scale
scrollbar
text
tk_dialog

libtkx.a
tkxlibs.mk

TCL/man:
man1
man3
mann

TCL/man/man1:
tclsh.1
wish.1

TCL/man/man3:
3DBorder.3
AddErrInfo.3
AllowExc.3
AppInit.3
Async.3
BackgdErr.3
Backslash.3
BindTable.3
CallDel.3
CanvPsY.3
CanvTkwin.3
CanvTxtInfo.3
Clipboard.3
ClrSelect.3
CmdCmplt.3
CmdWrite.3
Concat.3
ConfigWidg.3
ConfigWind.3
CoordToWin.3
CrtCommand.3
CrtErrHdlr.3
CrtGenHdlr.3
CrtImgType.3
CrtInterp.3
CrtItemType.3
CrtMainWin.3
CrtMathFnc.3

DoOneEvent.3
DoWhenIdle.3
DrawFocHlt.3
EnterFile.3
Eval.3
EventHndlr.3
EventInit.3
ExprLong.3
FileHndlr.3
FindPhoto.3
FreeXId.3
GeomReq.3
GetAnchor.3
GetBitmap.3
GetCapStyl.3
GetClrmap.3
GetColor.3
GetCursor.3
GetFontStr.3
GetGC.3
GetImage.3
GetInt.3
GetJoinStl.3
GetJustify.3
GetOption.3
GetPixels.3
GetPixmap.3
GetRelief.3
GetRootCrd.3
GetScroll.3
GetSelect.3
GetUid.3
GetVRoot.3
GetVisual.3
Handles.3
Hash.3
IdToWindow.3
ImgChanged.3
InternAtom.3
Interp.3
Keylist.3

Preserve.3
PrintDbl.3
RecordEval.3
RegExp.3
Restack.3
RestrictEv.3
SetAppName.3
SetClass.3
SetGrip.3
SetRecLmt.3
SetResult.3
SetVar.3
SetVisual.3
Sleep.3
SplitList.3
StrMatch.3
StrictMotif.3
TclCommandWriting.3
TclXCmd_Init.3
TclXInit.3
Tcl_AddErrorInfo.3
Tcl_AllowExceptions.3
Tcl_AppInit.3
Tcl_AppendElement.3
Tcl_AppendResult.3
Tcl_AsyncCreate.3
Tcl_AsyncDelete.3
Tcl_AsyncInvoke.3
Tcl_AsyncMark.3
Tcl_Backslash.3
Tcl_CallWhenDeleted.3
Tcl_CommandComplete.3
Tcl_Concat.3
Tcl_ConvertElement.3
Tcl_CreateCommand.3
Tcl_CreateHashEntry.3
Tcl_CreateInterp.3
Tcl_CreateMathFunc.3
Tcl_CreatePipeline.3
Tcl_CreateTrace.3
Tcl_DStringAppend.3

Tcl_DeleteCommand.3
Tcl_DeleteHashEntry.3
Tcl_DeleteHashTable.3
Tcl_DeleteInterp.3
Tcl_DeleteKeyedListField.3
Tcl_DeleteTrace.3
Tcl_DetachPids.3
Tcl_DontCallWhenDeleted.3
Tcl_EnterFile.3
Tcl_Eval.3
Tcl_EvalFile.3
Tcl_ExprBoolean.3
Tcl_ExprDouble.3
Tcl_ExprLong.3
Tcl_ExprString.3
Tcl_FilePermissions.3
Tcl_FindHashEntry.3
Tcl_FirstHashEntry.3
Tcl_GetBoolean.3
Tcl_GetCommandInfo.3
Tcl_GetDouble.3
Tcl_GetHashKey.3
Tcl_GetHashValue.3
Tcl_GetInt.3
Tcl_GetKeyedListField.3
Tcl_GetKeyedListKeys.3
Tcl_GetOpenFile.3
Tcl_GetVar.3
Tcl_GetVar2.3
Tcl_GlobalEval.3
Tcl_HandleAlloc.3
Tcl_HandleFree.3
Tcl_HandleTblInit.3
Tcl_HandleTblRelease.3
Tcl_HandleTblUseCount.3
Tcl_HandleWalk.3
Tcl_HandleXlate.3
Tcl_HashStats.3
Tcl_InitHashTable.3
Tcl_Interp.3
Tcl_LinkVar.3

Tcl_RegExpRange.3
Tcl_ResetResult.3
Tcl_ScanElement.3
Tcl_SetCommandInfo.3
Tcl_SetErrorCode.33
Tcl_SetHashValue.3
Tcl_SetKeyedListField.3
Tcl_SetRecursionLimit.3
Tcl_SetResult.3
Tcl_SetVar.3
Tcl_SetVar2.3
Tcl_SplitList.3
Tcl_StringMatch.3
Tcl_TildeSubst.3
Tcl_TraceVar.3
Tcl_TraceVar2.3
Tcl_UnlinkVar.3
Tcl_UnsetVar.3
Tcl_UnsetVar2.3
Tcl_UntraceVar.3
Tcl_UntraceVar2.3
Tcl_UpVar.3
Tcl_UpVar2.3
Tcl_VarEval.3
Tcl_VarTraceInfo.3
Tcl_VarTraceInfo2.3
TildeSubst.3
TimerHndlr.3
Tk_3DBorderColor.3
Tk_3DBoredrGC.3
Tk_3DHorizontalBevel.3
Tk_3DVerticalBevel.3
Tk_BackgroundError.3
Tk_BindEvent.3
Tk_CancelIdleCall.3
Tk_CanvasDrawableCoords.3
Tk_CanvasEventuallyRedraw.3
Tk_CanvasGetCoord.3
Tk_CanvasPsBitmap.3
Tk_CanvasPsColor.3
Tk_CanvasPsFont.3

Tk_ClipboardAppend.3
Tk_ClipboardClear.3
Tk_ConfigureInfo.3
Tk_ConfigureValue.3
Tk_ConfigureWidget.3
Tk_ConfigureWindow.3
Tk_CoordsToWindow.3
Tk_CreateBinding.3
Tk_CreateBindingTable.3
Tk_CreateErrorHandler.3
Tk_CreateEventHandler.3
Tk_CreateFileHandler.3
Tk_CreateFileHandler2.3
Tk_CreateGenericHandler.3
Tk_CreateImageType.3
Tk_CreateItemType.3
Tk_CreateMainWindow.3
Tk_CreatePhotoImageFormat.3
Tk_CreateSelHandler.3
Tk_CreateTimerHandler.3
Tk_CreateWindow.3
Tk_CreateWindowFromPath.3
Tk_DefineBitmap.3
Tk_DefineCursor.3
Tk_DeleteAllBindings.3
Tk_DeleteBinding.3
Tk_DeleteBindingTable.3
Tk_DeleteErrorHandler.3
Tk_DeleteEventHandler.3
Tk_DeleteFileHandler.3
Tk_DeleteGenericHandler.3
Tk_DeleteImage.3
Tk_DeleteSelHandler.3
Tk_DeleteTimerHandler.3
Tk_DestroyWindow.3
Tk_DoOneEvent.3
Tk_DoWhenIdle.3
Tk_Draw3DPolygon.3
Tk_Draw3DRectangle.3
Tk_DrawFocusHighlight.3
Tk_EventInit.3

Tk_FreeGC.3
Tk_FreeImage.3
Tk_FreeOptions.3
Tk_FreePixmap.3
Tk_FreeXId.3
Tk_GeometryRequest.3
Tk_Get3DBorder.3
Tk_GetAllBindings.3
Tk_GetAnchor.3
Tk_GetAtomName.3
Tk_GetBinding.3
Tk_GetBitmap.3
Tk_GetBitmapFromData.3
Tk_GetCapStyle.3
Tk_GetColor.3
Tk_GetColorByValue.3
Tk_GetColormap.3
Tk_GetCursor.3
Tk_GetCursorFromData.3
Tk_GetFontStruct.3
Tk_GetGC.3
Tk_GetImage.3
Tk_GetItemTypes.3
Tk_GetJoinStyle.3
Tk_GetJustify.3
Tk_GetOption.3
Tk_GetPixels.3
Tk_GetPixmap.3
Tk_GetRelief.3
Tk_GetRootCoords.3
Tk_GetScreenMM.3
Tk_GetScrollInfo.3
Tk_GetSelection.3
Tk_GetUid.3
Tk_GetVRootGeometry.3
Tk_GetVisual.3
Tk_HandleEvent.3
Tk_IdToWindow.3
Tk_ImageChanged.3
Tk_InternAtom.3
Tk_Main.3

Tk_NameOfAnchor.3
Tk_NameOfBitmap.3
Tk_NameOfCapStyle.3
Tk_NameOfColor.3
Tk_NameOfCursor.3
Tk_NameOfFontStruct.3
Tk_NameOfImage.3
Tk_NameOfJoinStyle.3
Tk_NameOfJustify.3
Tk_NameOfRelief.3
Tk_NameToWindow.3
Tk_Offset.3
Tk_OwnSelection.3
Tk_ParseArgv.3
Tk_PathName.3
Tk_PhotoBlank.3
Tk_PhotoExpand.3
Tk_PhotoGetImage.3
Tk_PhotoGetSize.3
Tk_PhotoPutBlock.3
Tk_PhotoPutZoomedBlock.3
Tk_PhotoSetSize.3
Tk_Preserve.3
Tk_RedrawImage.3
Tk_Release.3
Tk_ResizeWindow.3
Tk_RestackWindow.3
Tk_RestrictEvents.3
Tk_Screen.3
Tk_SetAppName.3
Tk_SetBackgroundFromBorder.3
Tk_SetClass.3
Tk_SetGrid.3
Tk_SetInternalBorder.3
Tk_SetWindowBackground.3
Tk_SetWindowBackgroundPixmap.3
Tk_SetWindowBorder.3
Tk_SetWindowBorderPixmap.3
Tk_SetWindowBorderWidth.3
Tk_SetWindowColormap.3
Tk_SetWindowVisual.3

UpVar.3
WindowId.3

TCL/man/mann:

Memory.n
Tcl-DP.n
Tcl.n
TclX.n
Tcl_DisplayMemory.n
Tcl_InitMemory.n
Tcl_ValidateAllMemory.n
after.n
append.n
array.n
bell.n
bind.n
bindtags.n
bitmap.n
break.n
button.n
canvas.n
case.n
catch.n
cd.n
checkboxbutton.n
ckalloc.n
ckfree.n
clipboard.n
close.n
concat.n
continue.n
destroy.n
dialog.n
entry.n
eof.n
error.n
eval.n
exec.n
exit.n
expr.n
file.n

global.n
grab.n
history.n
if.n
image.n
incr.n
info.n
join.n
label.n
lappend.n
library.n
lindex.n
linsert.n
list.n
listbox.n
llength.n
lower.n
lrange.n
lreplace.n
lsearch.n
lsort.n
memory.n
menu.n
menubar.n
menubutton.n
message.n
open.n
option.n
optionMenu.n
options.n
pack-old.n
pack.n
palette.n
photo.n
pid.n
place.n
popup.n
proc.n
puts.n
pwd.n
radiobutton.n

selection.n
send.n
set.n
source.n
split.n
string.n
subst.n
switch.n
tclvars.n
tell.n
text.n
time.n
tk.n
tk_bindForTraversal.n
tk_bisque.n
tk_dialog.n
tk_focusFollowMouse.n
tk_focusNext.n
tk_focusPrev.n
tk_menuBar.n
tk_optionMenu.n
tk_popup.n
tk_setPalette.n
tkerror.n
tkvars.n
tkwait.n
toplevel.n
trace.n
unknown.n
unset.n
update.n
uplevel.n
upvar.n
while.n
winfo.n
wm.n